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APPLICANT : MATSUSHITA ELECTRIC WORKS LTD;

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TITLE : RESIN COMPOSITION

ABSTRACT : PURPOSE: To provide a resin compsn. which has excellent dimensional stability, smoothness, colorability and gloss, scarcely causes unevenness and is not cured within cylinders when injection-molded, by blending PE with a resin compsn. consisting of an unsaturated polyester, a copolymerizable monomer and PS.

CONSTITUTION: 100pts.wt. unsaturated polyester (A) having an average MW of 1,500~2,000 and an acid value of 18~22, obtd. by the polycondensation reaction of fumaric acid, propylene glycol and diethylene glycol, 80~30pts.wt. monomer (B) copolymerizable therewith (e.g., styrene) and 30~80pts.wt. polystyrene (C) having an MW of 150,000~200,000 as a shrinkage controlling agent are blended to obtain a resin compsn. 0.5~3.0wt% PE powder, a polymn. initiator (e.g., dicumyl peroxide), a filler (e.g., aluminum hydroxide), a parting agent (e.g., stearic acid or zinc stearate), etc., are blended with 18~28wt% said compsn. to obtain a resin compsn. which can be used as an injection molding material (premix).

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radical generator.